



# HI-Q

## THE LAKEHEAD AMATEUR RADIO CLUB JOURNAL

**LARC- Suite 184, 1100C Memorial Ave., Thunder Bay, Ontario, Canada, P7B 4A3**

**VE3FW - LARC call sign - honours the memory of the Founding President - P. J. "Pat" O'Shea**

### LARC SENATE

Keith Fiske	VE3JQ
Ray Forslund	VE3EDZ
Ray Greer	VE3CH
Dave Kimpton	VE3AVS
Bill Klemacki	VE3AJ
Bill Roberts	VE3ARN

### LARC EXECUTIVE 2001-2002

President:	Bob Hansen	VE3RVA 767-6924
Vice-Pres:	Mark Vaillant	VA3MVR 935-2205
Secretary:	Judy Artist	VA3EAP 345-2218
Treasurer:	Jan Sokoloski	VA3JRS 344-3222
Directors:	Ed Baumann	VE3SNW 622-1216
	Fred Lesnick	VE3FAL 577-0789
	Denise Magill	VA3NST 346-4614
	Andy Malcolm	VE3INI 345-1858
Past Pres:	Skip Wright	VE3BBS

### LARC OPEN ACCESS REPEATERS

VE3YQT	MOUNT BALDY	147.06	(-600)	FP
VE3TBR	ST. JOSEPH'S	146.820	(-600)	FP
VE3BGA	HILLCREST H.S.	147.390	(+600)	
VE3TBB	UPSALA ONT.	145.470	(-600)	FP

(linked to VE3YQT)

### From the Editor's desk.....

President Bob's message this month needed a little more space than is available in its usual spot on the front page.....so look for it near the end.

Do you have any digital-camera photos of amateur activities that can be used in HI-Q? Or even snapshots that can be scanned with high resolution and downloaded to me? Pictures add so much to your newsletter; if you have any please send them along to me [dkimpton@tbaytel.net](mailto:dkimpton@tbaytel.net) .

Most of this month's HI-Q is devoted to the heroic efforts of radio amateurs in New York and Washington, based on ARRL newsletters. (Tks Jim VE3UA). You probably *didn't* hear about this on CNN!

73 de dave ve3avs

Excerpts from: The ARRL Letter Vol. 20, No. 37  
September 14, 2001

## **==>AMATEUR RADIO RESPONDS IN FORCE IN WAKE OF TERRORIST ATTACKS**

Some already are calling it "Amateur Radio's Finest Hour," as volunteers answer the call to assist in ongoing relief and recovery operations in New York City, Washington, DC, and western Pennsylvania in the wake of terrorist attacks on the US September 11. The need continues for operators to assist over the long haul, however. Current estimates suggest hams may be needed for a month or longer in the New York City area, and for at least the next two weeks in Washington, DC.

Along with most other federal agencies, the FCC closed its offices and sent its employees home following the attacks. The FCC issued no emergency declarations nor other special instructions to the Amateur Radio community. The ARRL advised amateurs to stay alert to instructions from local authorities.

New York City-Long Island Section Emergency Coordinator Tom Carrubba, KA2D, reports that hams have been supporting emergency officials and the American Red Cross relief and recovery effort. Amateurs have been staffing several Red Cross shelters in addition to a staging/National Disaster Medical System center, various Red Cross units, and the Greater New York City American Red Cross Headquarters as well as the New York City Office of Emergency Management.

Carrubba says the telephone system in lower Manhattan continues to be problematic because of the high call volume. "American Red Cross

communications are overloaded, and traffic from the shelters is coming into the New York City net at a rapid pace," he said. "The Amateur Radio ops are doing a great job under very difficult and strange conditions, but this is what they have trained for; they are getting it done well."

Red Cross Communications Officer Jay Ferron, N4GAA, agreed. "The Amateur radio community has come out very big and very strong," he said, adding that local clubs and repeater groups have volunteered gear, frequencies and operators.

New York City District Emergency Coordinator Charles Hargrove, N2NOV, has expressed his appreciation to the amateur community. "Thank you for all the support and well wishes," he said. "This is a difficult time for all of us. We appreciate all the amateurs who have volunteered their time and equipment."

Carrubba also cited the ongoing efforts of Guy Richman, KC2AYG, who has been coordinating net controls for the ARES nets, and Manhattan ARRL EC John Kiernan, KE2UN.

Carrubba is seeking additional volunteers from the Greater New York City region. He has asked out-of-state volunteers to "stand by until we can provide for your safety and comfort." Volunteers need a VHF (2-meter) or, preferably, a VHF/UHF (2-meter/70-cm) mobile radio, power supply and cables, and mobile/portable mag-mounted gain antenna. Carrubba says hand-helds are not sufficient to deal with the difficult operating conditions.

"Operators are still needed," he said, but stressed, "This is a difficult assignment."

Amateurs are working two 12-hour shifts per day, 8 AM to 8 PM and 8 PM to 8 AM, "plus or minus three or four hours, mostly plus," Carrubba said.

Additional information is available on the ARRL Web site <<http://www.arrl.org>>.

At the scene of the Pentagon attack near Washington, DC, Virginia Section Emergency Coordinator Tom Gregory, N4NW, reports an "upbeat" crew of about two dozen amateurs is staffing six Amateur Radio stations in the immediate vicinity of the Pentagon. "What shocked me the most was the devastation you can see right there, 100 feet from the building," Gregory said. "The destruction is total."

The ARES operation is providing logistical support between the Salvation Army's relief and recovery effort on site and the agency's Arlington headquarters. The Salvation Army has deployed several mobile canteens and a feeding unit to serve military and civilian emergency personnel assigned to the recovery operation.

"What we're finding is that communication is very difficult because of the tremendous amount of noise from the construction-type equipment and the generators providing power for the lights and support staff," Gregory said. Because of the noise level, operators are being rotated frequently in and out of the immediate vicinity of the attack. "There's the emotion of it, and there's the tremendous amount of noise, and it's very grating on you because you can hardly hear the radio to communicate," Gregory explained.

Gregory described the entire area as "very crowded with people" inside and outside the Pentagon. "People and equipment cleaning up, finding bodies, finding plane parts, firefighters still checking for hot spots, hoses, equipment," he said. "The damage to the building looks worse when you are right next to it than it does on TV."

"I found that it took me a few minutes to realize the gravity of what was doing on and the importance of what we hams are doing in our own small way to help out," Gregory said. "The devastation of that building is awesome, and it puts things in perspective and it certainly made me proud to be an amateur Radio operator and serve the people of the United States by offering support we could."

The Pentagon ARES operation continues to seek volunteers. "Because of the immensity of the thing, we're trying to have six amateurs on duty at all times," he said. "We need 20 volunteers every day for at least two weeks." Volunteers should e-mail Tom Gregory, N4NW, at [n4nw@arrl.net](mailto:n4nw@arrl.net).

Gregory emphasized that Pentagon site security is extremely tight. All ham volunteers must have a photo ID issued by a government entity to the secured area. "The FBI is handling issuance of IDs for access to the secured area and is doing a complete NCIC check before a photo ID is issued," Gregory said.

At the so-called "fourth" plane crash site in rural Somerset County western Pennsylvania, Kevin Custer, W3KKC, reports a busy scene as the investigation continues. Custer arranged preliminary repeater communication into and out of the crash site on Tuesday to help the Red Cross, Salvation Army, Pennsylvania State Police, the FBI and other state and federal agencies on the scene.

Custer said the investigation could continue for several weeks. "At this time we are preparing for the possibility of family members coming to the crash site--or close by," he said.

Montgomery County, Maryland, Deputy RACES Officer John Creel, WB3GXW, observed that while the enormity of the attacks is bound to touch the

amateur community directly or indirectly, he has seen nothing but professionalism among the responding operators in his area. Creel advised amateurs to "just be prepared," and he echoed the sentiment of many that the events of September 11 "will be with us for the rest of our lives.

More detailed and updated information on Amateur Radio's involvement in the disaster relief and recovery efforts is available on the ARRL Web site  
<<http://www.arrl.org>>.

### **==>ARRL PRESIDENT PRAISES AMATEURS' RESPONSE**

ARRL President Jim Haynie, W5JBP, has expressed his deep appreciation to amateurs throughout the world who have sent messages of condolence and support. Haynie also praised the actions of Amateur Radio volunteers.

"The shock and horror of yesterday morning's events are still fresh in our minds," Haynie said the day after the September 11 terrorist attacks. "Radio amateurs in New York City and elsewhere around the country are doing everything they can to support the authorities in locating and assisting victims. We know that there are many among us who have been touched personally by these tragedies, but there is comfort in knowing that we are not alone in our grief."

"Never have I felt more strongly about what a great privilege it is to be a part of the extraordinary global community of Amateur Radio," Haynie concluded.

Messages of support arrived throughout the week at ARRL Headquarters from International Amateur Radio Union member societies and from individual amateurs around the world. Japan Amateur Radio

League President Shozo Hara, JA1AN, expressed "great shock and dismay" at the attacks in New York and Washington and offered "heartfelt condolences to the victims and families of the victims" as well as any assistance JARL could offer. Deutscher Amateur-Radio Club Managing Director Bernd Haefner, DB4DL, relayed similar sentiments. "At this horrible time, we all are Americans," he wrote.

ARRL Vice President Kay Craigie, WT3P, noted that, on a day when many Americans were rushing home to be with their families, many radio amateurs were assisting in the emergency response. "Compared to the sacrifices by emergency responders in New York City and at the Pentagon, it was a small thing, yet a thing that should not go without notice."

### **==>AMATEURS AMONG THE MISSING IN WORLD TRADE CENTER ATTACK**

At least four Amateur Radio operators are among the many still missing in the aftermath of the September 11 attack on the World Trade Center in New York City. The attack also destroyed the major TV and radio transmitting site atop one of the twin towers.

The hams reported missing so far include:

\* Steven A. "Steve" Jacobson, N2SJ, 53, of New York City, a transmitter engineer for WPIX TV, and an ARRL member.

- William V. "Bill" Steckman, WA2ACW, of W Hempstead, New York, a transmitter engineer for WNBC TV. He was well known in the NYC area and ran a number of repeaters from the World Trade Center, most notably the 434 MHz ATV repeater.

- Robert D. "Bob" Cirri Sr, KA2OTD, 39, an ARRL member from Nutley, New Jersey and the ARRL District Emergency Coordinator for Hudson County. A Port Authority police officer, Cirri was on the job helping to evacuate workers from the building when it collapsed.
- Michael G. Jacobs, AA1GO, 54, an ARRL member from Danbury, Connecticut. Jacobs worked at Fiduciary Trust Company International, which had offices in the World Trade Center.

- The collapse of the World Trade Center brought down the master TV transmitting antenna that served all but one television station in New York City, as well as several radio stations and amateur repeaters. "The broadcast community is in absolute shock," said Hudson Division Vice Director Steve Mendelsohn, W2ML, who works for ABC News.

"We all knew transmitter engineers, we all knew people who worked up in those towers near those big television transmitters, and they're gone." Mendelsohn said many viewers in the Greater New York City Area who are not on cable can only see WCBS, channel 2, which maintains its transmitter site on the Empire State Building. WCBS has offered assistance and space to help the other stations get back on the air from its site, he said.

"None of the other transmitters exist anymore. They're in the rubble along with the master antenna system, hundreds and hundreds of two-way radio system antennas, and boxes and, of course, untold thousands of people who perished."

There was cause for rejoicing in the case of another amateur who worked in the World Trade Center. Rob Nall, WV0S, reports that his friend, Herman

Belderok, Jr. KB0EEB managed to get out of the building just minutes before the structure collapsed.

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#### **The ARRL Letter (selections-Ed.)**

**Vol. 20, No. 38**

**September 21, 2001**

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#### **==>WORLD TRADE CENTER AMATEUR RADIO VOLUNTEERS BEARING UP WELL**

New York Amateur Radio Emergency Service and Radio Amateur Civil Emergency Service volunteers generally are in good spirits, but tired, says New York City-Long Island Section Emergency

Coordinator Tom Carrubba, KA2D. "The mood is positive," he said, more than a week into the grim reality of the World Trade Center attack response. "Overall, it's going very, very well. Everybody's settling into the routine of the operation."

Two dozen or more hams per shift are covering communications and logistical support for the American Red Cross as well as supplementing communication for the New York City Office of Emergency Management. "It's a great effort every day, 24/7, and it's expanding as we get more requests." A single, multi-purpose ARES/RACES net is being maintained on the 147.000 MHz repeater in Manhattan. New York City District Emergency Coordinator and RACES Radio Officer Charles Hargrove, N2NOV, is serving as the incident commander.

At this point, Carrubba said, the need for volunteers is being largely covered by amateurs from the Greater New York City Area--which includes New York City and Long Island, Eastern New York, Connecticut and Northern New Jersey. Hams have volunteered from all over, however, including at least eight Delaware-Lehigh Amateur Radio Club members from Pennsylvania's Lehigh Valley. Hams are deployed to 13 American Red Cross shelters, two OEM sites, several staging areas, and Red Cross headquarters, and as net controls. At any given time, up to a half dozen amateurs are posted just outside the secure perimeter of the so-called "Ground Zero" World Trade Center site, where Carrubba described conditions as "terrible." Volunteers there have been asked to provide respirators and other protective clothing. Shifts at all locations are 12 hours long.

Carrubba explained that Amateur Radio volunteers are being rotated in and out of areas and duties in an effort to equalize the stress. "The first 30 or 40 hours everybody does 'the iron man act,' I call it, because they're running on adrenaline," he said. After that, everyone gets some rest and unwinds a little bit. "The people that are going back are fresh," he said.

Since September 11, more than 350 hams have volunteered in excess of 5000 work hours. Carrubba anticipates the Amateur Radio support operations to continue for some time to come, since the normal telecommunications systems remain disrupted or problematic. "The communications in the shelter are being used like telephones," he said. Telephone service is available, but it can take 15 or 20 tries to get a call through. Carrubba said net traffic has been substantial, although there are occasional lulls.

Many more volunteers will be needed before the ARES and RACES operation stands down "Right now our task is a long-term effort, Carrubba said. "The schedule is being filled in on a day-by-day basis." To date, more than 200 individuals have signed up via the

World Trade Center Disaster Relief Communications Web site, <<http://wtc.ab2m.net>>.

Carrubba expects that Amateur Radio assistance might be needed at least another week and possibly longer. "As long as there's a need for communications, we will be there," he said. In the meantime, REACT International is seeking additional Amateur Radio and licensed GMRS users, primarily to support the Salvation Army's relief efforts in New York. "We still need volunteers," said REACT International Secretary Lee Belsing, N5NTG, who added that some shifts on Wednesday went unfilled. "They're burning out and having to return to their jobs," he said. REACT is now running 20 volunteers per shift. Volunteers should visit the REACT International Web site, <[http://www.reactintl.org/tragedy\\_09112001.htm](http://www.reactintl.org/tragedy_09112001.htm)> or contact Charles Bessels, <[NYCHelp@reactintl.org](mailto:NYCHelp@reactintl.org)>.

#### **==>PENTAGON ARES TEAM STANDS DOWN**

The team managed by Virginia Amateur Radio Emergency Service to support the Salvation Army's disaster relief operation at the Pentagon stood down this week. Virginia Section Emergency Coordinator Tom Gregory, N4NW, thanked all who volunteered and turned out to assist following the September 11 terrorist attack.

"With the changes in security, increased shift times and, most of all, the ability of the Salvation Army to [now] manage their support operations via telephone, the need for Amateur Radio has ended," Gregory said. "The support provided here in Virginia, by the hams in New York--where operations continue--and in Pennsylvania clearly demonstrates the resolve and commitment by so many hams to meet the needs of our fellow Americans at this time of great tragedy."

The ARES operation--with Tom Harmon, AK1E, as incident commander--provided logistical support between the Salvation Army's relief and recovery effort on site and the agency's Arlington headquarters. The Salvation Army has been providing food and refreshments to the crews engaged in the Pentagon investigation and recovery operations. Gregory said many of the more than 100 volunteers who reported for duty between September 11 and September 18 gave up time with their families and their jobs. In a few cases, he said, he even wrote letters to employers requesting that volunteers be allowed time off to work the incident.

"Amateur Radio performed exactly as it was supposed to," Gregory said. "We responded to the need to provide communications where none were available." He said the Virginia ARES organization stands ready to jump in again "at a moment's notice" if the need arises.

Another amateur team consisting of Mt Vernon Amateur Radio Club and Arlington County Amateur Radio Club members was providing communication and technical support to the American Red Cross relief effort at the Pentagon site. Arlington County ARES Emergency Coordinator Alan Bosch, KO4ALA, said his team was running shifts from 8 AM through 1 AM each day, and he expected the operation to continue at least through week's end.

ARRL President Jim Haynie, W5JBP, visited members of the Pentagon ARES team on Monday, September 17. Gregory said he appreciated Haynie's encouragement at a difficult time. Haynie was accompanied by ARRL First Vice President Joel Harrison, W5ZN, FCC Special Counsel for Amateur Radio Enforcement Riley Hollingsworth, and ARRL Virginia Section Manager Carl Clements, W4CAC.

## **==>GEORGIA HAMS SUPPORT SOUTHERN BAPTIST RELIEF EFFORT IN NYC**

A group of Georgia amateurs has accompanied Southern Baptist Convention Disaster Relief crews to the New York City area in the wake of last week's terrorist attacks on the World Trade Center. The hams are providing communications support to the Convention's mobile kitchens and shower units, deployed last week at the request of the Federal Emergency Management Agency.

The communications van of the Chattahoochee Baptist Association Amateur Radio team is stationed at a staging area at the Raritan Valley Baptist Church in Edison, New Jersey. Operating as W4CBA, the volunteers in Edison are utilizing the nearby New Jersey Institute of Technology Amateur Radio Club's K2MFF 147.225 MHz repeater in Newark to communicate with deployed kitchens and showers in the Brooklyn Naval Yard and near Ground Zero in Manhattan. Amateurs are accompanying volunteers from eight states into the field as they serve meals to relief workers and displaced residents.

According to Jackie Whitlock, N4JJW, the call from FEMA came on Wednesday. By last Friday, two kitchens had been deployed, with a third unit in reserve at Edison. In their first 36 hours on the scene, 89 volunteers had served more than 7500 meals at the Manhattan and Brooklyn sites. The Chattahoochee Baptist Association has been supporting Southern Baptist Convention relief efforts since 1996.

## **==>THE YOUNGEST VOLUNTEER**

Ten-year-old Beverly Holtz of Huntington, Long Island, New York, was distraught after hearing of the

tragedy at the World Trade Center. "I slowly explained what the news footage meant," said her father Fred Holtz, K2PSY. "The first thing she said was that she wanted to help." Neither of them realized just how soon she would get the chance. About six years ago Fred Holtz revived his interest in Amateur Radio. Soon his young daughter showed an interest in the hobby. Together they studied the electronics and Beverly was especially interested in the questions on emergency procedures.

"I told her that they were very important and you never knew when you would need them," Holtz said. Father and daughter joined the local radio club and started going to meetings. Eventually she took the FCC exam for the Technician license and passed! She couldn't wait for her license to arrive and was ready to get on the air.

Beverly's new ticket finally arrived Friday, September 14, and she was officially KC2IKT. The next day she and her dad were running errands in the car, listening to an emergency net being run on a local repeater, when they heard a call go out for volunteers to staff a shelter as part of the response to the World Trade Center attack. "We can do that!" Beverly told her dad. Fred Holtz called net control and explained that his daughter was only 10 and wanted to help.

"No problem," they were told. That afternoon they reported to the Red Cross shelter in Valley Stream, New York. Some 40 European students were staying at the shelter after being stranded when flights were cancelled at the nearby airports in New York City. Using her dad's hand-held transceiver, Beverly answered questions from net control, relayed health-and-welfare traffic and was the only radio operator for the entire eight-hour shift.

## PREZ SEZ.....

As we start into the year 2001/2002 of LARC meetings and activities, I would like to thank all those members who came out to the first meeting on September 13. There was an election for a new executive and the only change was the addition of two new directors – Denise Magill **VA3NST** and Fred Lesnick **VE3FAL**.

The LARC has been invited to put on an information display at Vanderwees Greenhouse on Mapleward Road at their annual craft show on October 13 and 14. We will have a table there and I am looking for ideas and help to man this amateur radio display for the two days. This would be an opportune time to keep the public informed and recruit new members.

Jan **VA3JRS** brought to my attention that our membership is behind last year's. We need your support as we have maintenance work to be done on repeaters and bills to pay such as insurance, HI-Q, telephone, etc. This club requires your financial support to carry on club business.

As your President, I encourage your ideas on activities and anything that would be of interest to the membership. This is your club – the Lakehead Amateur Radio Club – we need each and every one of you to help. This will ensure that our club will prosper and grow stronger.

I hope to see you all at the next meeting on October 11 in Room 191 McIntyre Building.

Your President  
Bob **VE3RVA**

NOTICE OF LARC MONTHLY MEETING  
THURSDAY OCTOBER 11 1930 HOURS  
ROOM 191 CONFEDERATION COLLEGE

**Minutes of a Meeting of the Lakehead Amateur Radio Club  
held in Room 191, Confederation College, Thunder Bay, Ontario  
September 13, 2001**

The meeting was called to order at 7:35 by the President VE3RVA, Bob Hansen with 27 members and guests in attendance. The meeting started with a roundtable of members and guests introducing themselves.

**Motion of the Meeting held on June 12, 2001:** The minutes of meeting held on June 12, 2001 were published in detail in the June issue of **Hi-Q** and distributed to all members.

**Motion:** moved by VE3AVS, Dave Kimpton and seconded by VA3BRN Gerry Burney that the minutes be accepted **Carried.**

**Correspondence:** A letter was read from Glenn Craig, Executive Director of the Northern Cancer Research Foundation thanking us for our generous contribution@ to the 4<sup>th</sup> Annual Thunder Bay Telephone Inline Skate for Hope.

**Treasurer=s Report:** VA3JRS, Jan Sokoloski

Balance as of May 31, 2001		\$ 2,434.68
Income: 50/50	<u>19.00</u>	<u>19.00</u>
Expenses		
Bank SC	2.00	
Field Day	80.25	
Telephone	121.11	
Repeater	<u>63.22</u>	<u>266.58</u>
Maintenance		
Balance as of June 30, 2001		\$ 2,187.10

**Motion:** Moved by VA3JRS, Jan Sokoloski and seconded by VE3AJ, Bill Klemacki the Treasurers Report be accepted.

**Carried.**

**Committee Reports: Equipment:** VA3LU, Terry Stewardson reported YQT is now fixed and running just fine.

- Terry and VE3INI, Andy Malcolm have fixed the link to Upsala - the repeater for Hillcrest is ready, help is needed

- VE3AVS, Dave Kimpton expressed appreciation to all who help to keep everything working.

**Amateur Classes:** VE3SNW Ed Baumann will hold classes January 17<sup>th</sup> - May 23<sup>rd</sup>, 2002

**Ares:** emergency exercises at the airport for September 16<sup>th</sup> were canceled.

**Public Service:** VE3XLB, Linda Bell needs operators for the Mother/Daughter Walk on September 23<sup>rd</sup>, 2001, Sunday, contact VE3FAL, Fred Lesnick.

- November 17<sup>th</sup>, 2001, OPP Christmas Parade, operators needed

- VE3ZG, Mike Nawrocki thanked operators who volunteered for Conquer the Dog

**Old Business:** none

**New Business:** VE3RVA, Bob Hansen has booked a table at Vanderwees Craft Show to be held

October 13<sup>th</sup> and 14<sup>th</sup>. He is looking for volunteers to set up a display for the LARC and **show our stuff@** let the public know what we are all about, recruit new Hams, etc. This would also be a good time to show off the IRLP.

Bob also is looking into having a corn roast at his cottage, date to be determined.

- VE3FAL, Fred Lesnick is looking for anyone interested in helping at the Boy Scouts Jamboree on the Air to be held October 21<sup>st</sup> and 22<sup>nd</sup>. **Nominating Committee Report:**

VA3LU, Terry Stewardson presented the report of the Nominating Committee. Nominations for each position were also solicited from the floor. As a result, ballots were only required for the Directors.

The following is the Executive of the Lakehead Amateur Radio Club for 2001 - 2002:

President	VE3RVA -	Bob Hansen
Vice-President	VA3MVR -	Mark Vaillant
Secretary	VA3EAP -	Judy Artist
Treasurer	VA3JRS -	Jan Sokoloski
Directors	VE3INI -	Andy Malcolm
	VE3SNW -	Ed Baumann
	VE3FAL -	Fred Lesnick
	VA3NST -	Denise Magill

**Motion:** Moved by VA3BRN, Gerry Burney and seconded by VE3GTX, John Watson the ballots be destroyed.

**50/50 Draw:** The winner of the 50/50 draw was VA3AMY, Al Sokoloski.

**Adjournment:** Moved by VA3LU, Terry Stewardson that the meeting be adjourned.

(Please note format for the minutes were revised to fit the page...I apologize if any errors resulted. .Ed.)